

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 4, 8 and 10 in accordance with the following:

1. -3. (CANCELLED)

4. (CURRENTLY AMENDED) A data perpetuation object apparatus between information processing systems for performing unified management of data managed in duplicate by a plurality of information processing ~~means-systems~~ including an information processing ~~means-system~~ based on different architectures, the apparatus being implemented as an object to be operated singly, and comprising:

an information identification object generating ~~means for generating part that generates~~ an information identification object that determines information to be stored in a storage apparatus of each information processing ~~means~~ system;

a collaboration information storage ~~means for storing~~ that stores information on a communication method between the information processing ~~means~~-systems as collaboration information among the plurality of information processing ~~means~~ systems;

a role object generating ~~means~~ part that generates a role object as an active role with respect to an information processing ~~means~~ system that is a data transmission origin, and a role object as a passive role with respect to an information processing ~~means~~ system that is a data transmission destination; and

a relating object generating ~~means for referring~~ part that refers to the collaboration information of the collaboration information storage ~~means~~ and generating a relating object for transmitting information to be stored in a storage apparatus of each information processing ~~means~~ system between the role objects, in accordance with a communication method between the information processing ~~means~~ system that is a data transmission origin and the information processing ~~means~~ system that is a data transmission destination.

5. (CANCELLED)

6. (PREVIOUSLY PRESENTED) A data perpetuation object collaboration apparatus between information processing systems according to claim 4, wherein the communication method is selected from a plurality of kinds of communication methods including real communication, delayed batch communication, and batch communication.

7. (CANCELLED)

8. (CURRENTLY AMENDED) An integrated information processing system including a plurality of information processing ~~means subsystems~~, the plurality of information processing ~~means subsystems~~ including an information processing ~~means subsystem~~ based on different architectures, the system comprising:

a collaboration information storage ~~means for storing that stores~~ information on a communication method between the information processing ~~means subsystems~~ as collaboration information among the plurality of information processing ~~means subsystems~~; and

a data perpetuation object apparatus between the information processing ~~systems subsystems~~ for referring to the collaboration information of the collaboration information storage ~~means~~ and performing unified management of data managed in duplicate by the information processing ~~means subsystem~~, the data perpetuation object apparatus being implemented as an object to be operated singly, and comprising:

an information identification object generating ~~means for generating part that generates~~ an information identification object that determines information to be stored in a storage apparatus of each information processing ~~means subsystem~~;

a role object generating ~~means part~~ for generating a role object as an active role with respect to information processing ~~means part~~ that is a data transmission origin, and a role object as a passive role with respect to information processing ~~means part~~ that is a data transmission destination; and

a relating object generating ~~means for referring part that refers~~ to the collaboration information of the collaboration information storage ~~means~~ and generating a relating object for transmitting information to be stored in a storage apparatus of each information processing ~~means subsystem~~ between the role objects in accordance with a communication system between the information processing ~~means subsystem~~ that is a data transmission origin and the information processing ~~means subsystem~~ that is a data transmission destination.

9. (CANCELLED)

10. (CURRENTLY AMENDED) A computer-readable recording medium storing a collaboration program between information processing systems that allows a computer to execute, as a perpetuation object to be operated singly, processing of performing unified management of data managed in duplicate by a plurality of information processing means systems including an information processing means system based on different architectures, the program allowing a computer to execute:

processing of generating an information identification object that determines information to be stored in a storage apparatus of each information processing means system;

processing of generating a role object as an active role with respect to an information processing means system that is a data transmission origin, and generating a role object as a passive role with respect to an information processing means system that is a data transmission destination; and

processing of referring to collaboration information including information on a communication method between the information processing means system and generating a relating object for transmitting information to be stored in a storage apparatus of each information processing means system between the role objects in accordance with the communication method between the information processing means system that is a data transmission origin, and the information processing means system that is a data transmission destination.

11. -13. (CANCELLED)

14. (PREVIOUSLY PRESENTED) A method of performing unified management of data managed in duplicate by a plurality of information processors based on different architecture, the method being carried out by a perpetuation object to be operated singly, and comprising:

generating an information identification object that determines information to be stored in each of the plurality of information processors;

referring to collaboration information including information on a communication method between the information processors and generating a role object as an active role with respect to an information processor that is a data transmission origin, and a role object as a passive role with respect to an information processor that is a data transmission destination; and

referring to the stored collaboration information and generating a relating object for transmitting information to be stored in each of the information processors between the role

objects, in accordance with a communication method between the information processor that is a data transmission origin and the information processor that is a data transmission destination.

15. (CANCELLED)

16. (PREVIOUSLY PRESENTED) The method according to claim 14, wherein the communication method is selected from a plurality of kinds of communication methods including real communication, delayed batch communication, and batch communication.

17. -19. (CANCELLED)

20. (PREVIOUSLY PRESENTED) A computer-readable storage storing a program for controlling a computer to execute, as a perpetuation object to be operated singly, collaborating a plurality of information processors based on different architectures, by:

generating an information identification object that determines information to be stored in each of the plurality of information processors;

referring to collaboration information including at least information on a communication method between the information processors and generating a role object as an active role with respect to an information processor that is a data transmission origin, and a role object as a passive role with respect to an information processor that is a data transmission destination; and

referring to the stored collaboration information and generating a relating object for transmitting information to be stored in each of the information processors between the role objects, in accordance with a communication method between the information processor that is a data transmission origin and the information processor that is a data transmission destination.

21. (PREVIOUSLY PRESENTED) The computer-readable storage according to claim 20, wherein the collaboration information contains timing information on timing of passing of information between the plurality of information processors.

22. (PREVIOUSLY PRESENTED) The computer-readable storage according to claim 20, wherein the communication method is selected from a plurality of kinds of communication methods including real communication, delayed batch communication, and batch communication.

23. - 27. (CANCELLED)